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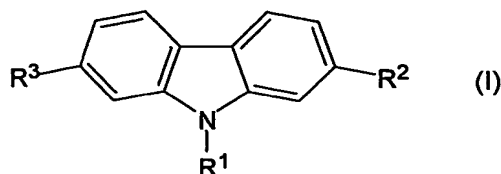
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(54) Title: MONOMERS, OLIGOMERS AND POLYMERS OF 2-FUNCTIONALIZED AND 2,7-DIFUNCTIONALIZED CARBAZOLES



(57) Abstract: The present invention relates to 2-functionalized and 2,7-difunctionalized carbazoles and 2,7-carbazolenevinylene oligomers and polymers. More specifically, the present invention relates to a compound of Formula (I): wherein R¹ is selected from the group consisting of H, alkyl, and aryl; and wherein R² and R³ are independently selected from the group consisting of H, alkyl, formyl, hydroxymethyl, trityloxymethyl, acetonitrile, chloromethyl, methylphosphonate, methyltriphenylphosphonium and vinyl.

The oligomers and polymers are used in field-effect transistors, light-emitting devices such as light-emitting diodes, and solar cells.